

**CIRCUITS AND METHODS FOR DEBUGGING AN EMBEDDED PROCESSOR  
AND SYSTEMS USING THE SAME**

**ABSTRACT OF THE DISCLOSURE**

[00382] A debugging subsystem for testing a system-on-a-chip includes an embedded processor and memory and includes at least one debugging subblock monitors a bus between the processor and the memory to detect selected triggering events, counts the number of triggering events detected and when the number of triggering events reaches a predetermined threshold, generates a debugging signal.